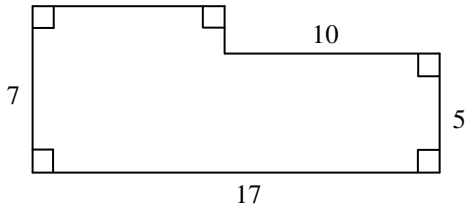
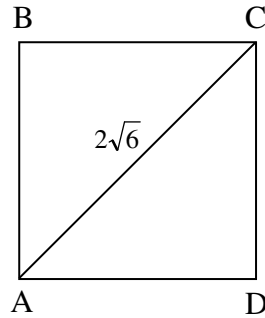


Geometry Review 11.1 to 11.4 Worksheet

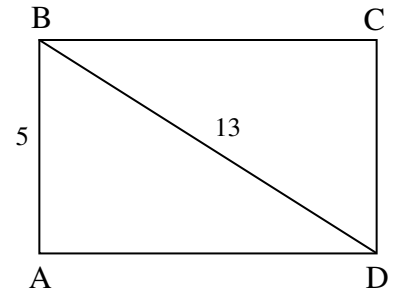
- (1) Find the area of the figure if consecutive sides are $\perp$



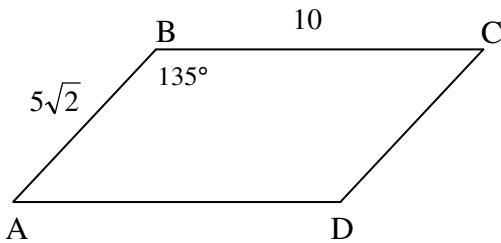
- (2) Find the area and perimeter of the square below.



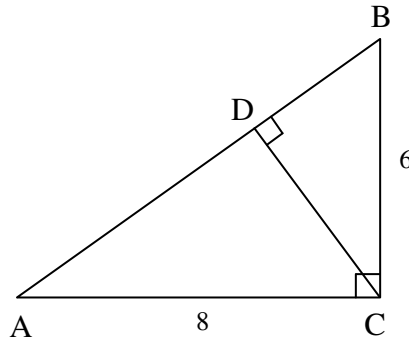
- (3) Find the area of the rectangle below.



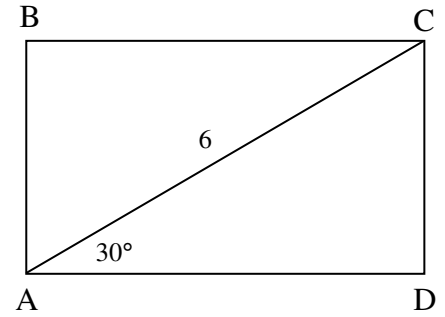
- (4) Find the area of the parallelogram below.



- (5) **Find:** area $\triangle ABC$ _____
AB _____, CD _____



- (6) Find the area of the rectangle below.



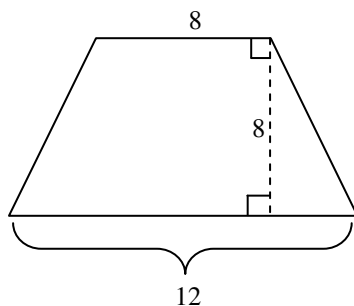
- (7) Find the area of the isosceles triangle whose legs measure 8 and whose base is 12.

- (8) Find the area and perimeter of an equilateral triangle whose height is $4\sqrt{3}$.

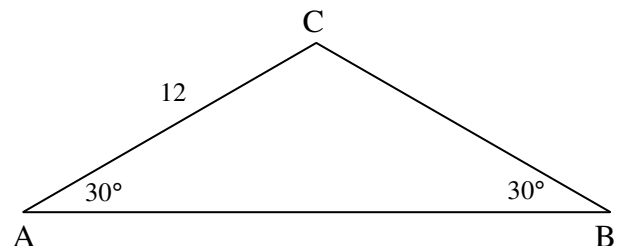
- (9) Find the radius and area of a regular hexagon whose apothem is 4.

- (10) Find the radius, apothem and area of a square whose perimeter is 24.

- (11) Find the area of the trapezoid below.

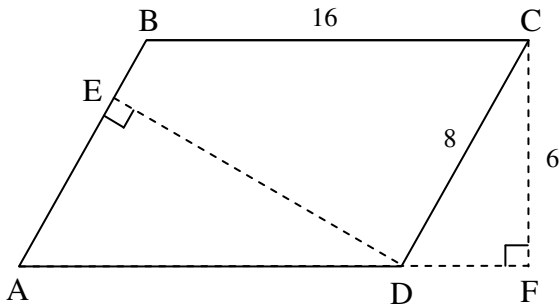


- (12) Find the area and perimeter of the triangle below.

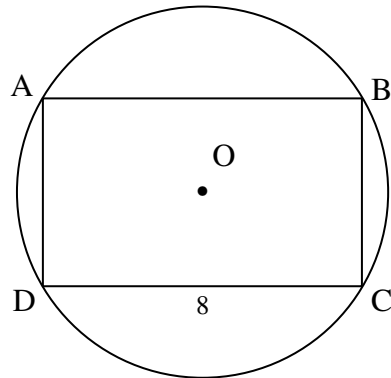


Geometry Review 11.1 to 11.4 Worksheet

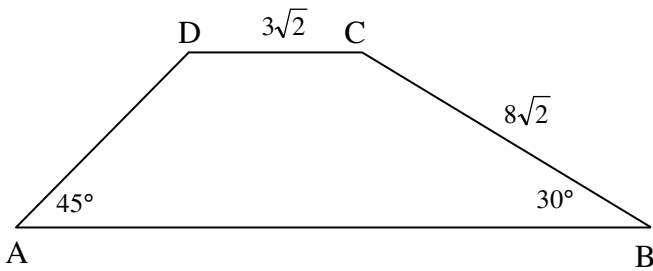
- (13) **Find:** area parallelogram $\square ABCD$ _____
DE _____, DF _____



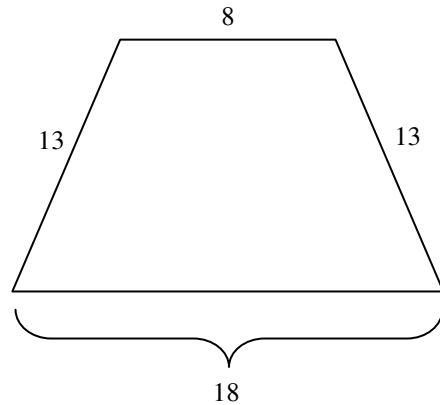
- (14) Rectangle $\square ABCD$ is inscribed in the circle with center O. The radius of the circle is 5. Find the area of the rectangle. _____



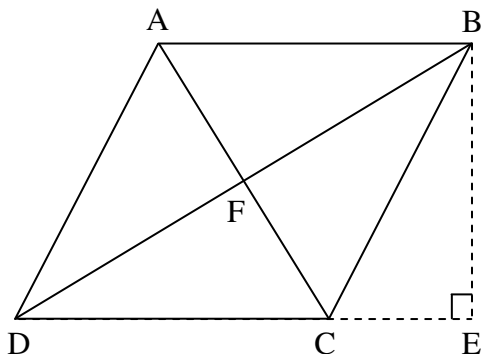
- (15) Find the area and perimeter of the trapezoid below.



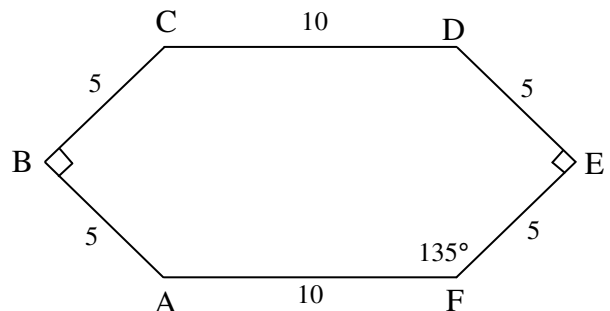
- (16) Find the area of the trapezoid below.



- (17) Find the area and perimeter of rhombus $\square ABCD$ below if $AC = 10$, $BD = 24$.
Find: BE _____



- (18) Find the area of the hexagon below given sides and angles as marked.



Geometry Review 11.1 to 11.4 Worksheet

Answers

(1) area = 99

(2) area = 12 , perimeter = $8\sqrt{3}$

(3) area = 60

(4) area = 50

(5) $a_{\triangle ABC} = 24$, $AB = 10$, $CD = \frac{24}{5}$

(6) area = $9\sqrt{3}$

(7) area = $12\sqrt{7}$

(8) area = $16\sqrt{3}$, perimeter = 24

(9) radius = $\frac{8\sqrt{3}}{3}$, area = $32\sqrt{3}$

(10) radius = $3\sqrt{2}$, apothem = 3 , area = 36

(11) area = 80

(12) area = $36\sqrt{3}$, perimeter = $24 + 12\sqrt{3}$

Geometry Review 11.1 to 11.4 Worksheet

Answers

(13) $a_{\square ABCD} = 96$, $DE = 12$, $DF = 2\sqrt{7}$

(14) $\text{area} = 48$

(15) $\text{area} = 40 + 16\sqrt{3}$, $\text{perimeter} = 8 + 4\sqrt{6} + 18\sqrt{2}$

(16) $\text{area} = 156$

(17) $\text{area} = 120$, $\text{perimeter} = 52$, $BE = \frac{120}{13}$

(18) $\text{area} = 25 + 50\sqrt{2}$